

a first electrode being formed over the first insulating substrate;

a second electrode being formed over the first insulating substrate;

a liquid crystal material being interposed between the first and second insulating substrates;

said method comprising the steps of:

producing a parallel electric field to the first insulating substrates, said parallel electric field being generated between the first and second electrodes, and

driving the liquid crystal material by the parallel electric field,

wherein the liquid crystal material is oriented in a hybrid alignment nematic mode.

2. (Amended) A method according to claim 1, said reflective type liquid crystal display device comprising:

the first insulating substrate having transparency;

a reflecting layer;

at least a part of said second insulating substrate covering the reflecting layer;

a first conducting line for applying electrical signals to the first electrode, said first conducting line being formed over the first insulating substrate;

a first thin film transistor formed over the first insulating substrate as a switching element and electrically connected to the first electrode and the first conducting line,

said first thin film transistor comprising:

a crystalline semiconductor island formed over the first insulating substrate;

source and drain regions formed in the crystalline semiconductor island;

a gate electrode formed adjacent to the crystalline semiconductor island having a gate insulating film therebetween,

a pair of low concentration regions each being adjacent to the source and drain regions in the crystalline semiconductor island;

an interlayer insulating film covering the first thin film transistor, said interlayer insulating film being a multilayer film of silicon oxide and silicon nitride;

the second electrode being electrically insulated from the first electrode and from the first conducting line; and

a second conducting line for applying electrical signals to the second electrode, said second conducting line being formed on the first insulating substrate,

wherein the liquid crystal material is operated by a parallel electric field to the first substrate, said parallel electric field being generated between the first and second electrodes.

7. (Amended) A method of driving a reflective type liquid crystal display device,

said reflective type liquid crystal display device comprising:

a first insulating substrate;

a second insulating substrate being disposed opposite to the first insulating substrate;

a first electrode being formed over the first insulating substrate;

a first thin film transistor being formed over the first insulating substrate as a switching element;

a second thin film transistor formed over the first insulating substrate for driving the first thin film transistor;

a second electrode being formed over the first insulating substrate;

a liquid crystal material being interposed  
between the first and second insulating substrates;

said method comprising the steps of:

producing a parallel electric field to the first  
insulating substrates, said parallel electric field being  
generated between the first and second electrodes, and

driving the liquid crystal material by the  
parallel electric field,

wherein the liquid crystal material is oriented in a  
hybrid alignment nematic mode.

- A2
8. (Amended) A method according to claim 7,  
said reflective type liquid crystal display device  
comprising:
- the first insulating substrate having transparency;
  - a reflecting layer;
  - at least a part of said second insulating substrate  
covering the reflecting layer;
  - a first conducting line for applying electrical  
signals to the first electrode, said first conducting line being  
formed over the first insulating substrate;
  - the first thin film transistor being electrically  
connected to the first electrode and the first conducting line;
  - said first thin film transistor comprising:

a crystalline semiconductor island formed over the first insulating substrate;

source and drain regions formed in the crystalline semiconductor island;

a gate electrode formed adjacent to the crystalline semiconductor island having a gate insulating film therebetween,

a pair of low concentration regions each being adjacent to the source and drain regions in the crystalline semiconductor island;

an interlayer insulating film covering each of the first and second thin film transistors, said interlayer insulating film being a multilayer film of silicon oxide and silicon nitride;

a second electrode formed over the first insulating substrate and electrically insulated from the first electrode and from the first conducting line;

a second conducting line for applying electrical signals to the second electrode, said second conducting line being formed over the first insulating substrate;

a biaxial film disposed over the first insulating substrate; and

a polarizing plate disposed on the biaxial film,

Q2  
Cont. wherein the liquid crystal material is operated by a parallel electric field to the first substrate, said parallel electric field being generated between the first and second electrodes. B

Sub B 13. (Amended) A method of driving a reflective type liquid crystal display device,

said reflective type liquid crystal display device comprising:

a first insulating substrate;

a second insulating substrate being disposed opposite to the first insulating substrate;

a first electrode being formed over the first insulating substrate;

Q 3 a first thin film transistor being formed over the first insulating substrate as a switching element;

a second thin film transistor being formed over the first insulating substrate for driving the first thin film transistor;

an interlayer insulating film covering each of the first and second thin film transistors;

a second electrode being formed over the first insulating substrate;

a liquid crystal material being interposed  
between the first and second insulating substrates;

said method comprising the steps of:

producing a parallel electric field to the first  
insulating substrates, said parallel electric field being  
generated between the first and second electrodes, and

driving the liquid crystal material by the  
parallel electric field,

wherein the liquid crystal material is oriented in a  
hybrid alignment nematic mode.

14. (Amended) A method according to claim 13,

a 3 said reflective type liquid crystal display device  
comprising:

the first insulating substrate having transparency;  
the second insulating substrate having a reflecting  
layer thereon;

a first conducting line for applying electrical  
signals to the first electrode, said first conducting line being  
formed over the first insulating substrate;

the first thin film transistor being electrically  
connected to the first electrode and the first conducting line;

said first thin film transistor comprising:

a crystalline semiconductor island formed over the first insulating substrate;

source and drain regions formed in the crystalline semiconductor island;

a gate electrode formed adjacent to the crystalline semiconductor island having a gate insulating film therebetween,

a pair of low concentration regions each being adjacent to the source and drain regions in the crystalline semiconductor island;

Q3 the second thin film transistor including an n-channel third thin film transistor and a p-channel fourth thin film transistor being connected to each other;

the interlayer insulating film being a multilayer film of silicon oxide and silicon nitride;

the second electrode being electrically insulated from the first electrode and from the first conducting line; and

a second conducting line for applying electrical signals to the second electrode, said second conducting line being formed over the first insulating substrate,

wherein the liquid crystal material is operated by a parallel electric field to the first substrate, said parallel electric field being generated between the first and second electrodes, and



Q3  
Cont. wherein the liquid crystal material has a first orientation near the first insulating substrate while the liquid crystal material has a second orientation near the second insulating substrate, said second orientation being different from the first orientation. B

Sub B4 19. (Amended) A method of driving a reflective type liquid crystal display device,

said reflective type liquid crystal display device comprising:

a first insulating substrate;

a second insulating substrate being disposed opposite to the first insulating substrate;

a reflecting layer on the second insulating substrate;

Q4 a first electrode being formed over the first insulating substrate;

a second electrode being formed over the first insulating substrate;

a liquid crystal material being interposed between the first and second insulating substrates;

said method comprising the steps of: